

“(11) establish, within the Domestic Nuclear Detection Office, the National Technical Nuclear Forensics Center to provide centralized stewardship, planning, assessment, gap analysis, exercises, improvement, and integration for all Federal nuclear forensics and attribution activities—

“(A) to ensure an enduring national technical nuclear forensics capability to strengthen the collective response of the United States to nuclear terrorism or other nuclear attacks; and

“(B) to coordinate and implement the national strategic plan and 5-year plan to improve national forensics and attribution capabilities for all Federal nuclear and radiological forensics capabilities;

“(12) establish a National Nuclear Forensics Expertise Development Program, which—

“(A) is devoted to developing and maintaining a vibrant and enduring academic pathway from undergraduate to post-doctorate study in nuclear and geochemical science specialties directly relevant to technical nuclear forensics, including radiochemistry, geochemistry, nuclear physics, nuclear engineering, materials science, and analytical chemistry; and

“(B) shall—

“(i) make available for undergraduate study student scholarships, with a duration of up to 4 years per student, which shall include, if possible, at least 1 summer internship at a national laboratory or appropriate Federal agency in the field of technical nuclear forensics during the course of the student's undergraduate career;

“(ii) make available for graduate study student fellowships, with a duration of up to 5 years per student, which shall—

“(I) include, if possible, at least 2 summer internships at a national laboratory or appropriate Federal agency in the field of technical nuclear forensics during the course of the student's graduate career; and

“(II) require each recipient to commit to serve for 2 years in a post-doctoral position in a technical nuclear forensics-related specialty at a national laboratory or appropriate Federal agency after graduation;

“(iii) make available to faculty awards, with a duration of 3 to 5 years each, to ensure faculty and their graduate students have a sustained funding stream; and

“(iv) place a particular emphasis on reinvigorating technical nuclear forensics programs; and”.

(b) JOINT INTERAGENCY ANNUAL REPORTING REQUIREMENT TO CONGRESS AND THE PRESIDENT.—

(1) IN GENERAL.—Section 1907(a)(1) of the Homeland Security Act of 2002 (6 U.S.C. 596(a)(1)) is amended—

(A) in subparagraph (A)(ii), by striking “and” at the end;

(B) in subparagraph (B)(iii), by striking the period at the end and inserting “; and”; and

(C) by adding at the end the following:

“(C) the Director of the Domestic Nuclear Detection Office and each of the relevant Departments that are partners in the National Technical Forensics Center—

“(i) includes, as part of the assessments, evaluations, and reviews required under this paragraph, each relevant agency's activities and investments in support of nuclear forensics and attribution activities;

“(ii) attaches, as an appendix to the Joint Interagency Annual Review, the most current version of the plan required under section 1902(a)(10); and

“(iii) after March 31 of each year, funds allocated for activities authorized under section 1902 are not spent until the submission to Congress of the report required under subsection (b).”.

Mr. WHITEHOUSE. I ask unanimous consent that the committee-reported substitute be agreed to; the bill, as amended, be read a third time and

passed; the motions to reconsider be laid upon the table, with no intervening action or debate; and that any statements related thereto be printed in the RECORD.

The PRESIDING OFFICER. Without objection, it is so ordered.

The committee amendment in the nature of a substitute was agreed to.

The amendment was ordered to be engrossed and the bill to be read a third time.

The bill (H.R. 2631), as amended, was read the third time and passed.

BROADBAND DATA IMPROVEMENT ACT

Mr. WHITEHOUSE. I ask unanimous consent that the Senate proceed to the immediate consideration of Calendar No. 441, S. 1492.

The PRESIDING OFFICER. The clerk will report the bill by title.

The legislative clerk read as follows:

A bill (S. 1492) to improve the quality of Federal and State data regarding the availability and quality of broadband services and to promote the deployment of affordable broadband services to all parts of the Nation.

The Senate proceeded to consider the bill, which had been reported from the Committee on Commerce, Science, and Transportation with an amendment to strike all after the enacting clause and insert in lieu thereof the following:

SECTION 1. SHORT TITLE.

This Act may be cited as the “Broadband Data Improvement Act”.

SEC. 2. FINDINGS.

The Congress finds the following:

(1) The deployment and adoption of broadband technology has resulted in enhanced economic development and public safety for communities across the Nation, improved health care and educational opportunities, and a better quality of life for all Americans.

(2) Continued progress in the deployment and adoption of broadband technology is vital to ensuring that our Nation remains competitive and continues to create business and job growth.

(3) Improving Federal data on the deployment and adoption of broadband service will assist in the development of broadband technology across all regions of the Nation.

(4) The Federal Government should also recognize and encourage complementary state efforts to improve the quality and usefulness of broadband data and should encourage and support the partnership of the public and private sectors in the continued growth of broadband services and information technology for the residents and businesses of the Nation.

SEC. 3. IMPROVING FEDERAL DATA ON BROADBAND.

(a) IMPROVING FCC BROADBAND DATA.—Within 120 days after the date of enactment of this Act, the Federal Communications Commission shall issue an order in WC docket No. 07–38 which shall, at a minimum—

(1) revise or update, if determined necessary, the existing definitions of advanced telecommunications capability, or broadband;

(2) establish a new definition of second generation broadband to reflect a data rate that is not less than the data rate required to reliably transmit full-motion, high-definition video; and

(3) revise its Form 477 reporting requirements to require filing entities to report broadband connections and second generation broadband connections by 5-digit postal zip code plus 4-digit location.

(b) EXCEPTION.—The Commission shall exempt an entity from the reporting requirements of subsection (a)(3) if the Commission determines that a compliance by that entity with the requirements is cost prohibitive, as defined by the Commission.

(c) IMPROVING SECTION 706 INQUIRY.—Section 706 of the Telecommunications Act of 1996 (47 U.S.C. 157 nt) is amended—

(1) by striking “regularly” in subsection (b) and inserting “annually”;

(2) by redesignating subsection (c) as subsection (e); and

(3) by inserting after subsection (b) the following:

“(c) MEASUREMENT OF EXTENT OF DEPLOYMENT.—In determining under subsection (b) whether advanced telecommunications capability is being deployed to all Americans in a reasonable and timely fashion, the Commission shall consider data collected using 5-digit postal zip code plus 4-digit location.

“(d) DEMOGRAPHIC INFORMATION FOR UNSERVED AREAS.—As part of the inquiry required by subsection (b), the Commission shall, using 5-digit postal zip code plus 4-digit location information, compile a list of geographical areas that are not served by any provider of advanced telecommunications capability (as defined by section 706(c)(1) of the Telecommunications Act of 1996 (47 U.S.C. 157 nt)) and to the extent that data from the Census Bureau is available, determine, for each such unserved area—

“(1) the population;

“(2) the population density; and

“(3) the average per capita income.”;

(4) by inserting “an evolving level of” after “technology,” in paragraph (1) of subsection (e), as redesignated.

(d) IMPROVING CENSUS DATA ON BROADBAND.—The Secretary of Commerce, in consultation with the Federal Communications Commission, shall expand the American Community Survey conducted by the Bureau of the Census to elicit information for residential households, including those located on native lands, to determine whether persons at such households own or use a computer at that address, whether persons at that address subscribe to Internet service and, if so, whether such persons subscribe to dial-up or broadband Internet service at that address.

SEC. 4. STUDY ON ADDITIONAL BROADBAND METRICS AND STANDARDS.

(a) IN GENERAL.—The Comptroller General shall conduct a study to consider and evaluate additional broadband metrics or standards that may be used by industry and the Federal Government to provide users with more accurate information about the cost and capability of their broadband connection, and to better compare the deployment and penetration of broadband in the United States with other countries. At a minimum, such study shall consider potential standards or metrics that may be used—

(1) to calculate the average price per megabyte of broadband offerings;

(2) to reflect the average actual speed of broadband offerings compared to advertised potential speeds;

(3) to compare the availability and quality of broadband offerings in the United States with the availability and quality of broadband offerings in other industrialized nations, including countries that are members of the Organization for Economic Cooperation and Development; and

(4) to distinguish between complementary and substitutable broadband offerings in evaluating deployment and penetration.

(b) REPORT.—Not later than one year after the date of enactment of this Act, the Comptroller General shall submit a report to the Senate Committee on Commerce, Science, and Transportation and the House of Representatives Committee on Energy and Commerce on the results of the study, with recommendations for how industry and the Federal Communications

Commission can use such metrics and comparisons to improve the quality of broadband data and to better evaluate the deployment and penetration of comparable broadband service at comparable rates across all regions of the Nation.

SEC. 5. STUDY ON THE IMPACT OF BROADBAND SPEED AND PRICE ON SMALL BUSINESSES.

(a) **IN GENERAL.**—The Small Business Administration Office of Advocacy shall conduct a study evaluating the impact of broadband speed and price on small businesses.

(b) **REPORT.**—Not later than one year after the date of enactment of this Act, the Office shall submit a report to the Senate Committee on Commerce, Science, and Transportation, the Senate Committee on Small Business and Entrepreneurship, the House of Representatives Committee on Energy and Commerce, and the House of Representatives Committee on Small Business on the results of the study, including—

(1) a survey of broadband speeds available to small businesses;

(2) a survey of the cost of broadband speeds available to small businesses;

(3) a survey of the type of broadband technology used by small businesses; and

(4) any policy recommendations that may improve small businesses access to comparable broadband services at comparable rates in all regions of the Nation.

SEC. 6. ENCOURAGING STATE INITIATIVES TO IMPROVE BROADBAND.

(a) **PURPOSES.**—The purposes of any grant under subsection (b) are—

(1) to ensure that all citizens and businesses in a State have access to affordable and reliable broadband service;

(2) to achieve improved technology literacy, increased computer ownership, and home broadband use among such citizens and businesses;

(3) to establish and empower local grassroots technology teams in each State to plan for improved technology use across multiple community sectors; and

(4) to establish and sustain an environment ripe for broadband services and information technology investment.

(b) **ESTABLISHMENT OF STATE BROADBAND DATA AND DEVELOPMENT GRANT PROGRAM.**—

(1) **IN GENERAL.**—The Secretary of Commerce shall award grants, taking into account the results of the peer review process under subsection (d), to eligible entities for the development and implementation of statewide initiatives to identify and track the availability and adoption of broadband services within each State.

(2) **COMPETITIVE BASIS.**—Any grant under subsection (b) shall be awarded on a competitive basis.

(c) **ELIGIBILITY.**—To be eligible to receive a grant under subsection (b), an eligible entity shall—

(1) submit an application to the Secretary of Commerce, at such time, in such manner, and containing such information as the Secretary may require; and

(2) contribute matching non-Federal funds in an amount equal to not less than 20 percent of the total amount of the grant.

(d) **PEER REVIEW; NONDISCLOSURE.**—

(1) **IN GENERAL.**—The Secretary shall by regulation require appropriate technical and scientific peer review of applications made for grants under this section.

(2) **REVIEW PROCEDURES.**—The regulations required under paragraph (1) shall require that any technical and scientific peer review group—

(A) be provided a written description of the grant to be reviewed;

(B) provide the results of any review by such group to the Secretary of Commerce; and

(C) certify that such group will enter into voluntary nondisclosure agreements as necessary to prevent the unauthorized disclosure of confidential and proprietary information provided by broadband service providers in connection with projects funded by any such grant.

(e) **USE OF FUNDS.**—A grant awarded to an eligible entity under subsection (b) shall be used—

(1) to provide a baseline assessment of broadband service deployment in each State;

(2) to identify and track—

(A) areas in each State that have low levels of broadband service deployment;

(B) the rate at which residential and business users adopt broadband service and other related information technology services; and

(C) possible suppliers of such services;

(3) to identify barriers to the adoption by individuals and businesses of broadband service and related information technology services, including whether or not—

(A) the demand for such services is absent; and

(B) the supply for such services is capable of meeting the demand for such services;

(4) to identify the speeds of broadband connections made available to individuals and businesses within the State, and, at a minimum, to rely on the data rate benchmarks for broadband and second generation broadband identified by the Federal Communications Commission to promote greater consistency of data among the States;

(5) to create and facilitate in each county or designated region in a State a local technology planning team—

(A) with members representing a cross section of the community, including representatives of business, telecommunications labor organizations, K-12 education, health care, libraries, higher education, community-based organizations, local government, tourism, parks and recreation, and agriculture; and

(B) which shall—

(i) benchmark technology use across relevant community sectors;

(ii) set goals for improved technology use within each sector; and

(iii) develop a tactical business plan for achieving its goals, with specific recommendations for online application development and demand creation;

(6) to work collaboratively with broadband service providers and information technology companies to encourage deployment and use, especially in unserved and underserved areas, through the use of local demand aggregation, mapping analysis, and the creation of market intelligence to improve the business case for providers to deploy;

(7) to establish programs to improve computer ownership and Internet access for unserved and underserved populations;

(8) to collect and analyze detailed market data concerning the use and demand for broadband service and related information technology services;

(9) to facilitate information exchange regarding the use and demand for broadband services between public and private sectors; and

(10) to create within each State a geographic inventory map of broadband service, and where feasible second generation broadband service, which shall—

(A) identify gaps in such service through a method of geographic information system mapping of service availability at the census block level; and

(B) provide a baseline assessment of statewide broadband deployment in terms of households with high-speed availability.

(f) **PARTICIPATION LIMIT.**—For each State, an eligible entity may not receive a new grant under this section to fund the activities described in subsection (d) within such State if such organization obtained prior grant awards under this section to fund the same activities in that State in each of the previous 4 consecutive years.

(g) **REPORTING.**—The Secretary of Commerce shall—

(1) require each recipient of a grant under subsection (b) to submit a report on the use of the funds provided by the grant; and

(2) create a web page on the Department of Commerce web site that aggregates relevant information made available to the public by grant recipients, including, where appropriate, hyper-text links to any geographic inventory maps created by grant recipients under subsection (e)(10).

(h) **DEFINITIONS.**—In this section:

(1) **ELIGIBLE ENTITY.**—The term “eligible entity” means a non-profit organization that is selected by a State to work in partnership with State agencies and private sector partners in identifying and tracking the availability and adoption of broadband services within each State.

(2) **NONPROFIT ORGANIZATION.**—The term “nonprofit organization” means an organization—

(A) described in section 501(c)(3) of the Internal Revenue Code of 1986 and exempt from tax under section 501(a) of such Code;

(B) no part of the net earnings of which inures to the benefit of any member, founder, contributor, or individual;

(C) that has an established competency and proven record of working with public and private sectors to accomplish widescale deployment and adoption of broadband services and information technology; and

(D) the board of directors of which is not composed of a majority of individuals who are also employed by, or otherwise associated with, any Federal, State, or local government or any Federal, State, or local agency.

(i) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated to carry out this section \$40,000,000 for each of fiscal years 2008 through 2012.

(j) **NO REGULATORY AUTHORITY.**—Nothing in this section shall be construed as giving any public or private entity established or affected by this Act any regulatory jurisdiction or oversight authority over providers of broadband services or information technology.

SECTION 1. SHORT TITLE.

This Act may be cited as the “Broadband Data Improvement Act”.

SEC. 2. FINDINGS.

The Congress finds the following:

(1) The deployment and adoption of broadband technology has resulted in enhanced economic development and public safety for communities across the Nation, improved health care and educational opportunities, and a better quality of life for all Americans.

(2) Continued progress in the deployment and adoption of broadband technology is vital to ensuring that our Nation remains competitive and continues to create business and job growth.

(3) Improving Federal data on the deployment and adoption of broadband service will assist in the development of broadband technology across all regions of the Nation.

(4) The Federal Government should also recognize and encourage complementary state efforts to improve the quality and usefulness of broadband data and should encourage and support the partnership of the public and private sectors in the continued growth of broadband services and information technology for the residents and businesses of the Nation.

SEC. 3. IMPROVING FEDERAL DATA ON BROADBAND.

(a) **IMPROVING FCC BROADBAND DATA.**—Within 120 days after the date of enactment of this Act, the Federal Communications Commission shall issue an order in WC docket No. 07-38 which shall, at a minimum—

(1) revise or update, if determined necessary, the existing definitions of advanced telecommunications capability, or broadband;

(2) identify tiers of broadband service, among those used by the Commission in collecting Form 477 data, in which a substantial majority of the connections in such tier provide consumers with an information transfer rate capable of reliably transmitting full-motion, high definition video; and

(3) revise its Form 477 reporting requirements as necessary to enable the Commission to identify actual numbers of broadband connections subscribed to by residential and business customers, separately, either within a relevant census tract from the most recent decennial census, a 9-digit postal zip code, or a 5-digit postal zip code, as the Commission deems appropriate.

(b) **EXCEPTION.**—The Commission shall exempt an entity from the reporting requirements of subsection (a)(3) if the Commission determines that a compliance by that entity with the requirements is cost prohibitive, as defined by the Commission.

(c) **IMPROVING SECTION 706 INQUIRY.**—Section 706 of the Telecommunications Act of 1996 (47 U.S.C. 157 nt) is amended—

(1) by striking “regularly” in subsection (b) and inserting “annually”;

(2) by redesignating subsection (c) as subsection (e);

(3) by inserting after subsection (b) the following:

“(c) **MEASUREMENT OF EXTENT OF DEPLOYMENT.**—In determining under subsection (b) whether advanced telecommunications capability is being deployed to all Americans in a reasonable and timely fashion, the Commission shall consider data collected through Form 477 reporting requirements.

“(d) **DEMOGRAPHIC INFORMATION FOR UNSERVED AREAS.**—As part of the inquiry required by subsection (b), the Commission shall compile a list of geographical areas that are not served by any provider of advanced telecommunications capability (as defined by section 706(c)(1) of the Telecommunications Act of 1996 (47 U.S.C. 157 nt)) and to the extent that data from the Census Bureau is available, determine, for each such unserved area—

“(1) the population;

“(2) the population density; and

“(3) the average per capita income.”; and

(4) by inserting “an evolving level of” after “technology, as” in paragraph (1) of subsection (e), as redesignated.

(d) **IMPROVING CENSUS DATA ON BROADBAND.**—The Secretary of Commerce, in consultation with the Federal Communications Commission, shall expand the American Community Survey conducted by the Bureau of the Census to elicit information for residential households, including those located on native lands, to determine whether persons at such households own or use a computer at that address, whether persons at that address subscribe to Internet service and, if so, whether such persons subscribe to dial-up or broadband Internet service at that address.

SEC. 4. STUDY ON ADDITIONAL BROADBAND METRICS AND STANDARDS.

(a) **IN GENERAL.**—The Comptroller General shall conduct a study to consider and evaluate additional broadband metrics or standards that may be used by industry and the Federal Government to provide users with more accurate information about the cost and capability of their broadband connection, and to better compare the deployment and penetration of broadband in the United States with other countries. At a minimum, such study shall consider potential standards or metrics that may be used—

(1) to calculate the average price per megabit per second of broadband offerings;

(2) to reflect the average actual speed of broadband offerings compared to advertised potential speeds and to consider factors affecting speed that may be outside the control of a broadband provider;

(3) to compare, using comparable metrics and standards, the availability and quality of broadband offerings in the United States with the availability and quality of broadband offerings in other industrialized nations, including countries that are members of the Organization for Economic Cooperation and Development; and

(4) to distinguish between complementary and substitutable broadband offerings in evaluating deployment and penetration.

(b) **REPORT.**—Not later than one year after the date of enactment of this Act, the Comptroller General shall submit a report to the Senate Committee on Commerce, Science, and Transportation and the House of Representatives Committee on Energy and Commerce on the results of the study, with recommendations for how industry and the Federal Communications Commission can use such metrics and comparisons to improve the quality of broadband data and to better evaluate the deployment and penetration of comparable broadband service at comparable rates across all regions of the Nation.

SEC. 5. STUDY ON THE IMPACT OF BROADBAND SPEED AND PRICE ON SMALL BUSINESSES.

(a) **IN GENERAL.**—The Small Business Administration Office of Advocacy shall conduct a study evaluating the impact of broadband speed and price on small businesses.

(b) **REPORT.**—Not later than one year after the date of enactment of this Act, the Office shall submit a report to the Senate Committee on Commerce, Science, and Transportation, the Senate Committee on Small Business and Entrepreneurship, the House of Representatives Committee on Energy and Commerce, and the House of Representatives Committee on Small Business on the results of the study, including—

(1) a survey of broadband speeds available to small businesses;

(2) a survey of the cost of broadband speeds available to small businesses;

(3) a survey of the type of broadband technology used by small businesses; and

(4) any policy recommendations that may improve small businesses access to comparable broadband services at comparable rates in all regions of the Nation.

SEC. 6. ENCOURAGING STATE INITIATIVES TO IMPROVE BROADBAND.

(a) **PURPOSES.**—The purposes of any grant under subsection (b) are—

(1) to ensure that all citizens and businesses in a State have access to affordable and reliable broadband service;

(2) to achieve improved technology literacy, increased computer ownership, and home broadband use among such citizens and businesses;

(3) to establish and empower local grassroots technology teams in each State to plan for improved technology use across multiple community sectors; and

(4) to establish and sustain an environment ripe for broadband services and information technology investment.

(b) **ESTABLISHMENT OF STATE BROADBAND DATA AND DEVELOPMENT GRANT PROGRAM.**—

(1) **IN GENERAL.**—The Secretary of Commerce shall award grants, taking into account the results of the peer review process under subsection (d), to eligible entities for the development and implementation of statewide initiatives to identify and track the availability and adoption of broadband services within each State.

(2) **COMPETITIVE BASIS.**—Any grant under subsection (b) shall be awarded on a competitive basis.

(c) **ELIGIBILITY.**—To be eligible to receive a grant under subsection (b), an eligible entity shall—

(1) submit an application to the Secretary of Commerce, at such time, in such manner, and containing such information as the Secretary may require;

(2) contribute matching non-Federal funds in an amount equal to not less than 20 percent of the total amount of the grant; and

(3) agree to comply with confidentiality requirements in subsection (h)(2) of this section.

(d) **PEER REVIEW; NONDISCLOSURE.**—

(1) **IN GENERAL.**—The Secretary shall by regulation require appropriate technical and scientific peer review of applications made for grants under this section.

(2) **REVIEW PROCEDURES.**—The regulations required under paragraph (1) shall require that any technical and scientific peer review group—

(A) be provided a written description of the grant to be reviewed; and

(B) provide the results of any review by such group to the Secretary of Commerce.

(C) certify that such group will enter into voluntary nondisclosure agreements as necessary to prevent the unauthorized disclosure of confidential and proprietary information provided by broadband service providers in connection with projects funded by any such grant.

(e) **USE OF FUNDS.**—A grant awarded to an eligible entity under subsection (b) shall be used—

(1) to provide a baseline assessment of broadband service deployment in each State;

(2) to identify and track—

(A) areas in each State that have low levels of broadband service deployment;

(B) the rate at which residential and business users adopt broadband service and other related information technology services; and

(C) possible suppliers of such services;

(3) to identify barriers to the adoption by individuals and businesses of broadband service and related information technology services, including whether or not—

(A) the demand for such services is absent; and

(B) the supply for such services is capable of meeting the demand for such services;

(4) to identify the speeds of broadband connections made available to individuals and businesses within the State, and, at a minimum, to rely on the data rate benchmarks for broadband service utilized by the Commission to reflect different speed tiers, including information transfer rates identified under section 3(a)(2) of this Act, to promote greater consistency of data among the States;

(5) to create and facilitate in each county or designated region in a State a local technology planning team—

(A) with members representing a cross section of the community, including representatives of business, telecommunications labor organizations, K–12 education, health care, libraries, higher education, community-based organizations, local government, tourism, parks and recreation, and agriculture; and

(B) which shall—

(i) benchmark technology use across relevant community sectors;

(ii) set goals for improved technology use within each sector; and

(iii) develop a tactical business plan for achieving its goals, with specific recommendations for online application development and demand creation;

(6) to work collaboratively with broadband service providers and information technology companies to encourage deployment and use, especially in unserved areas and areas in which broadband penetration is significantly below the national average, through the use of local demand aggregation, mapping analysis, and the creation of market intelligence to improve the business case for providers to deploy;

(7) to establish programs to improve computer ownership and Internet access for unserved areas and areas in which broadband penetration is significantly below the national average;

(8) to collect and analyze detailed market data concerning the use and demand for broadband service and related information technology services;

(9) to facilitate information exchange regarding the use and demand for broadband services between public and private sectors; and

(10) to create within each State a geographic inventory map of broadband service, including the availability of broadband service connections meeting information transfer rates identified by the Commission under section 3(a)(2) of this Act, which shall—

(A) identify gaps in such service through a method of geographic information system mapping of service availability at the census block

level among residential or business customers; and

(B) provide a baseline assessment of statewide broadband deployment in terms of households with high-speed availability.

(f) **PARTICIPATION LIMIT.**—For each State, an eligible entity may not receive a new grant under this section to fund the activities described in subsection (d) within such State if such organization obtained prior grant awards under this section to fund the same activities in that State in each of the previous 4 consecutive years.

(g) **REPORTING.**—The Secretary of Commerce shall—

(1) require each recipient of a grant under subsection (b) to submit a report on the use of the funds provided by the grant; and

(2) create a web page on the Department of Commerce web site that aggregates relevant information made available to the public by grant recipients, including, where appropriate, hyper-text links to any geographic inventory maps created by grant recipients under subsection (e)(10).

(h) **ACCESS TO AGGREGATE DATA.**—

(1) **IN GENERAL.**—Subject to paragraph (2), the Commission shall provide eligible entities access, in electronic form, to aggregate data collected by the Commission based on the Form 477 submissions of broadband service providers.

(2) **LIMITATION.**—Notwithstanding any provision of Federal or State law to the contrary, an eligible entity shall treat any matter that is a trade secret, commercial or financial information, or privileged or confidential, as a record not subject to public disclosure except as otherwise mutually agreed to by the broadband service provider and the eligible entity. This paragraph applies only to information submitted by the Commission or a broadband provider to carry out the provisions of this Act and shall not otherwise limit or affect the rules governing public disclosure of information collected by any Federal or State entity under any other Federal or State law or regulation.

(i) **DEFINITIONS.**—In this section:

(1) **COMMISSION.**—The term “Commission” means the Federal Communications Commission.

(2) **ELIGIBLE ENTITY.**—The term “eligible entity” means a non-profit organization that is selected by a State to work in partnership with State agencies and private sector partners in identifying and tracking the availability and adoption of broadband services within each State.

(3) **NONPROFIT ORGANIZATION.**—The term “nonprofit organization” means an organization—

(A) described in section 501(c)(3) of the Internal Revenue Code of 1986 and exempt from tax under section 501(a) of such Code;

(B) no part of the net earnings of which inures to the benefit of any member, founder, contributor, or individual;

(C) that has an established competency and proven record of working with public and private sectors to accomplish widescale deployment and adoption of broadband services and information technology;

(D) that has a board of directors a majority of which is not composed of individuals who are also employed by, or otherwise associated with, any Federal, State, or local government or any Federal, State, or local agency; and

(E) that has a board of directors which does not include any member that is employed either by a broadband service provider or by any other company in which a broadband service provider owns a controlling or attributable interest.

(j) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated to carry out this section \$40,000,000 for each of fiscal years 2008 through 2012.

(k) **NO REGULATORY AUTHORITY.**—Nothing in this section shall be construed as giving any public or private entity established or affected by this Act any regulatory jurisdiction or over-

sight authority over providers of broadband services or information technology.

Mr. WHITEHOUSE. I ask unanimous consent that an Inouye amendment which is at the desk be considered; that an Inouye second-degree amendment be considered and agreed to; the Inouye amendment, as amended, be agreed to; the committee substitute amendment, as amended, be agreed to; the bill, as amended, be read a third time and passed; the motions to reconsider be laid upon the table with no intervening action or debate; and any statements related to the bill be printed in the RECORD.

The PRESIDING OFFICER. Without objection, it is so ordered.

The amendment (No. 5664) is printed in today's RECORD under “Text of Amendments.”

The amendment (No. 5665 to amendment No. 5664) was agreed to, as follows:

(Purpose: To make technical and minor changes to the substitute amendment)

On page 19, line 19, strike “102” and insert “212”.

On page 20, beginning on line 16, strike “amendments made by this Act with respect to the content of such reports and”.

On page 23, line 7, beginning with “amended—” strike through line 18 and insert “amended by striking ‘or 1464’ in subparagraph (D) and inserting ‘1464, or 2252’”.

The amendment (No. 5664), as amended, was agreed to.

The committee amendment in the nature of a substitute, as amended, was agreed to.

The bill (S. 1492), as amended, was ordered to be engrossed for a third reading, read the third time, and passed, as follows:

S. 1492

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

TITLE I—BROADBAND DATA IMPROVEMENT

SEC. 101. SHORT TITLE.

This title may be cited as the “Broadband Data Improvement Act”.

SEC. 102. FINDINGS.

The Congress finds the following:

(1) The deployment and adoption of broadband technology has resulted in enhanced economic development and public safety for communities across the Nation, improved health care and educational opportunities, and a better quality of life for all Americans.

(2) Continued progress in the deployment and adoption of broadband technology is vital to ensuring that our Nation remains competitive and continues to create business and job growth.

(3) Improving Federal data on the deployment and adoption of broadband service will assist in the development of broadband technology across all regions of the Nation.

(4) The Federal Government should also recognize and encourage complementary State efforts to improve the quality and usefulness of broadband data and should encourage and support the partnership of the public and private sectors in the continued growth of broadband services and information technology for the residents and businesses of the Nation.

SEC. 103. IMPROVING FEDERAL DATA ON BROADBAND.

(a) **IMPROVING SECTION 706 INQUIRY.**—Section 706 of the Telecommunications Act of 1996 (47 U.S.C. 157 note) is amended—

(1) by striking “regularly” in subsection (b) and inserting “annually”;

(2) by redesignating subsection (c) as subsection (d); and

(3) by inserting after subsection (b) the following:

“(c) **DEMOGRAPHIC INFORMATION FOR UNSERVED AREAS.**—As part of the inquiry required by subsection (b), the Commission shall compile a list of geographical areas that are not served by any provider of advanced telecommunications capability (as defined by section 706(c)(1) of the Telecommunications Act of 1996 (47 U.S.C. 157 note)) and to the extent that data from the Census Bureau is available, determine, for each such unserved area—

“(1) the population;

“(2) the population density; and

“(3) the average per capita income.”.

(b) **INTERNATIONAL COMPARISON.**—

(1) **IN GENERAL.**—As part of the assessment and report required by section 706 of the Telecommunications Act of 1996 (47 U.S.C. 157 note), the Federal Communications Commission shall include information comparing the extent of broadband service capability (including data transmission speeds and price for broadband service capability) in a total of 75 communities in at least 25 countries abroad for each of the data rate benchmarks for broadband service utilized by the Commission to reflect different speed tiers.

(2) **CONTENTS.**—The Commission shall choose communities for the comparison under this subsection in a manner that will offer, to the extent possible, communities of a population size, population density, topography, and demographic profile that are comparable to the population size, population density, topography, and demographic profile of various communities within the United States. The Commission shall include in the comparison under this subsection—

(A) a geographically diverse selection of countries; and

(B) communities including the capital cities of such countries.

(3) **SIMILARITIES AND DIFFERENCES.**—The Commission shall identify relevant similarities and differences in each community, including their market structures, the number of competitors, the number of facilities-based providers, the types of technologies deployed by such providers, the applications and services those technologies enable, the regulatory model under which broadband service capability is provided, the types of applications and services used, business and residential use of such services, and other media available to consumers.

(c) **CONSUMER SURVEY OF BROADBAND SERVICE CAPABILITY.**—

(1) **IN GENERAL.**—For the purpose of evaluating, on a statistically significant basis, the national characteristics of the use of broadband service capability, the Commission shall conduct and make public periodic surveys of consumers in urban, suburban, and rural areas in the large business, small business, and residential consumer markets to determine—

(A) the types of technology used to provide the broadband service capability to which consumers subscribe;

(B) the amounts consumers pay per month for such capability;

(C) the actual data transmission speeds of such capability;

(D) the types of applications and services consumers most frequently use in conjunction with such capability;

(E) for consumers who have declined to subscribe to broadband service capability, the reasons given by such consumers for declining such capability;

(F) other sources of broadband service capability which consumers regularly use or on which they rely; and

(G) any other information the Commission deems appropriate for such purpose.

(2) **PUBLIC AVAILABILITY.**—The Commission shall make publicly available the results of surveys conducted under this subsection at least once per year.

(d) **IMPROVING CENSUS DATA ON BROADBAND.**—The Secretary of Commerce, in consultation with the Federal Communications Commission, shall expand the American Community Survey conducted by the Bureau of the Census to elicit information for residential households, including those located on native lands, to determine whether persons at such households own or use a computer at that address, whether persons at that address subscribe to Internet service and, if so, whether such persons subscribe to dial-up or broadband Internet service at that address.

(e) **PROPRIETARY INFORMATION.**—Nothing in this title shall reduce or remove any obligation the Commission has to protect proprietary information, nor shall this title be construed to compel the Commission to make publicly available any proprietary information.

SEC. 104. STUDY ON ADDITIONAL BROADBAND METRICS AND STANDARDS.

(a) **IN GENERAL.**—The Comptroller General shall conduct a study to consider and evaluate additional broadband metrics or standards that may be used by industry and the Federal Government to provide users with more accurate information about the cost and capability of their broadband connection, and to better compare the deployment and penetration of broadband in the United States with other countries. At a minimum, such study shall consider potential standards or metrics that may be used—

(1) to calculate the average price per megabit per second of broadband offerings;

(2) to reflect the average actual speed of broadband offerings compared to advertised potential speeds and to consider factors affecting speed that may be outside the control of a broadband provider;

(3) to compare, using comparable metrics and standards, the availability and quality of broadband offerings in the United States with the availability and quality of broadband offerings in other industrialized nations, including countries that are members of the Organization for Economic Cooperation and Development; and

(4) to distinguish between complementary and substitutable broadband offerings in evaluating deployment and penetration.

(b) **REPORT.**—Not later than 1 year after the date of enactment of this Act, the Comptroller General shall submit a report to the Senate Committee on Commerce, Science, and Transportation and the House of Representatives Committee on Energy and Commerce on the results of the study, with recommendations for how industry and the Federal Communications Commission can use such metrics and comparisons to improve the quality of broadband data and to better evaluate the deployment and penetration of comparable broadband service at comparable rates across all regions of the Nation.

SEC. 105. STUDY ON THE IMPACT OF BROADBAND SPEED AND PRICE ON SMALL BUSINESSES.

(a) **IN GENERAL.**—Subject to appropriations, the Small Business Administration Office of Advocacy shall conduct a study evaluating the impact of broadband speed and price on small businesses.

(b) **REPORT.**—Not later than 2 years after the date of enactment of this Act, the Office shall submit a report to the Senate Committee on Commerce, Science, and Transportation, the Senate Committee on Small Business and Entrepreneurship, the House of Representatives Committee on Energy and Commerce, and the House of Representatives Committee on Small Business on the results of the study, including—

(1) a survey of broadband speeds available to small businesses;

(2) a survey of the cost of broadband speeds available to small businesses;

(3) a survey of the type of broadband technology used by small businesses; and

(4) any policy recommendations that may improve small businesses access to comparable broadband services at comparable rates in all regions of the Nation.

SEC. 106. ENCOURAGING STATE INITIATIVES TO IMPROVE BROADBAND.

(a) **PURPOSES.**—The purposes of any grant under subsection (b) are—

(1) to ensure that all citizens and businesses in a State have access to affordable and reliable broadband service;

(2) to achieve improved technology literacy, increased computer ownership, and broadband use among such citizens and businesses;

(3) to establish and empower local grassroots technology teams in each State to plan for improved technology use across multiple community sectors; and

(4) to establish and sustain an environment ripe for broadband services and information technology investment.

(b) **ESTABLISHMENT OF STATE BROADBAND DATA AND DEVELOPMENT GRANT PROGRAM.**—

(1) **IN GENERAL.**—The Secretary of Commerce shall award grants, taking into account the results of the peer review process under subsection (d), to eligible entities for the development and implementation of statewide initiatives to identify and track the availability and adoption of broadband services within each State.

(2) **COMPETITIVE BASIS.**—Any grant under subsection (b) shall be awarded on a competitive basis.

(c) **ELIGIBILITY.**—To be eligible to receive a grant under subsection (b), an eligible entity shall—

(1) submit an application to the Secretary of Commerce, at such time, in such manner, and containing such information as the Secretary may require;

(2) contribute matching non-Federal funds in an amount equal to not less than 20 percent of the total amount of the grant; and

(3) agree to comply with confidentiality requirements in subsection (h)(2) of this section.

(d) **PEER REVIEW; NONDISCLOSURE.**—

(1) **IN GENERAL.**—The Secretary shall by regulation require appropriate technical and scientific peer review of applications made for grants under this section.

(2) **REVIEW PROCEDURES.**—The regulations required under paragraph (1) shall require that any technical and scientific peer review group—

(A) be provided a written description of the grant to be reviewed;

(B) provide the results of any review by such group to the Secretary of Commerce; and

(C) certify that such group will enter into voluntary nondisclosure agreements as necessary to prevent the unauthorized disclosure of confidential and proprietary information provided by broadband service providers in connection with projects funded by any such grant.

(e) **USE OF FUNDS.**—A grant awarded to an eligible entity under subsection (b) shall be used—

(1) to provide a baseline assessment of broadband service deployment in each State;

(2) to identify and track—

(A) areas in each State that have low levels of broadband service deployment;

(B) the rate at which residential and business users adopt broadband service and other related information technology services; and

(C) possible suppliers of such services;

(3) to identify barriers to the adoption by individuals and businesses of broadband service and related information technology services, including whether or not—

(A) the demand for such services is absent; and

(B) the supply for such services is capable of meeting the demand for such services;

(4) to identify the speeds of broadband connections made available to individuals and businesses within the State, and, at a minimum, to rely on the data rate benchmarks for broadband service utilized by the Commission to reflect different speed tiers, to promote greater consistency of data among the States;

(5) to create and facilitate in each county or designated region in a State a local technology planning team—

(A) with members representing a cross section of the community, including representatives of business, telecommunications labor organizations, K–12 education, health care, libraries, higher education, community-based organizations, local government, tourism, parks and recreation, and agriculture; and

(B) which shall—

(i) benchmark technology use across relevant community sectors;

(ii) set goals for improved technology use within each sector; and

(iii) develop a tactical business plan for achieving its goals, with specific recommendations for online application development and demand creation;

(6) to work collaboratively with broadband service providers and information technology companies to encourage deployment and use, especially in unserved areas and areas in which broadband penetration is significantly below the national average, through the use of local demand aggregation, mapping analysis, and the creation of market intelligence to improve the business case for providers to deploy;

(7) to establish programs to improve computer ownership and Internet access for unserved areas and areas in which broadband penetration is significantly below the national average;

(8) to collect and analyze detailed market data concerning the use and demand for broadband service and related information technology services;

(9) to facilitate information exchange regarding the use and demand for broadband services between public and private sectors; and

(10) to create within each State a geographic inventory map of broadband service, including the data rate benchmarks for broadband service utilized by the Commission to reflect different speed tiers, which shall—

(A) identify gaps in such service through a method of geographic information system mapping of service availability based on the geographic boundaries of where service is available or unavailable among residential or business customers; and

(B) provide a baseline assessment of statewide broadband deployment in terms of households with high-speed availability.

(f) **PARTICIPATION LIMIT.**—For each State, an eligible entity may not receive a new grant under this section to fund the activities described in subsection (d) within such State if such organization obtained prior

grant awards under this section to fund the same activities in that State in each of the previous 4 consecutive years.

(g) REPORTING; BROADBAND INVENTORY MAP.—The Secretary of Commerce shall—

(1) require each recipient of a grant under subsection (b) to submit a report on the use of the funds provided by the grant; and

(2) create a web page on the Department of Commerce website that aggregates relevant information made available to the public by grant recipients, including, where appropriate, hypertext links to any geographic inventory maps created by grant recipients under subsection (e)(10).

(h) ACCESS TO AGGREGATE DATA.—

(1) IN GENERAL.—Subject to paragraph (2), the Commission shall provide eligible entities access, in electronic form, to aggregate data collected by the Commission based on the Form 477 submissions of broadband service providers.

(2) LIMITATION.—Notwithstanding any provision of Federal or State law to the contrary, an eligible entity shall treat any matter that is a trade secret, commercial or financial information, or privileged or confidential, as a record not subject to public disclosure except as otherwise mutually agreed to by the broadband service provider and the eligible entity. This paragraph applies only to information submitted by the Commission or a broadband provider to carry out the provisions of this title and shall not otherwise limit or affect the rules governing public disclosure of information collected by any Federal or State entity under any other Federal or State law or regulation.

(i) DEFINITIONS.—In this section:

(1) COMMISSION.—The term “Commission” means the Federal Communications Commission.

(2) ELIGIBLE ENTITY.—The term “eligible entity” means—

(A) an entity that is either—

(i) an agency or instrumentality of a State, or a municipality or other subdivision (or agency or instrumentality of a municipality or other subdivision) of a State;

(ii) a nonprofit organization that is described in section 501(c)(3) of the Internal Revenue Code of 1986 and that is exempt from taxation under section 501(a) of such Code; or

(iii) an independent agency or commission in which an office of a State is a member on behalf of the State; and

(B) is the single eligible entity in the State that has been designated by the State to receive a grant under this section.

(j) NO REGULATORY AUTHORITY.—Nothing in this section shall be construed as giving any public or private entity established or affected by this title any regulatory jurisdiction or oversight authority over providers of broadband services or information technology.

TITLE II—PROTECTING CHILDREN

SEC. 201. SHORT TITLE; TABLE OF CONTENTS.

(a) SHORT TITLE.—This title may be cited as the “Protecting Children in the 21st Century Act”.

(b) TABLE OF CONTENTS.—The table of contents for this title is as follows:

Sec. 201. Short title; table of contents.

SUBTITLE A—PROMOTING A SAFE INTERNET FOR CHILDREN

Sec. 211. Internet safety.

Sec. 212. Public awareness campaign.

Sec. 213. Annual reports.

Sec. 214. Online safety and technology working group.

Sec. 215. Promoting online safety in schools.

Sec. 216. Definitions.

SUBTITLE B—ENHANCING CHILD PORNOGRAPHY ENFORCEMENT

Sec. 221. Child pornography prevention; forfeitures related to child pornography violations.

SUBTITLE A—PROMOTING A SAFE INTERNET FOR CHILDREN

SEC. 211. INTERNET SAFETY.

For the purposes of this title, the issue of Internet safety includes issues regarding the use of the Internet in a manner that promotes safe online activity for children, protects children from cybercrimes, including crimes by online predators, and helps parents shield their children from material that is inappropriate for minors.

SEC. 212. PUBLIC AWARENESS CAMPAIGN.

The Federal Trade Commission shall carry out a nationwide program to increase public awareness and provide education regarding strategies to promote the safe use of the Internet by children. The program shall utilize existing resources and efforts of the Federal Government, State and local governments, nonprofit organizations, private technology and financial companies, Internet service providers, World Wide Web-based resources, and other appropriate entities, that includes—

(1) identifying, promoting, and encouraging best practices for Internet safety;

(2) establishing and carrying out a national outreach and education campaign regarding Internet safety utilizing various media and Internet-based resources;

(3) facilitating access to, and the exchange of, information regarding Internet safety to promote up-to-date knowledge regarding current issues; and

(4) facilitating access to Internet safety education and public awareness efforts the Commission considers appropriate by States, units of local government, schools, police departments, nonprofit organizations, and other appropriate entities.

SEC. 213. ANNUAL REPORTS.

The Commission shall submit a report to the Senate Committee on Commerce, Science, and Transportation not later than March 31 of each year that describes the activities carried out under section 103 by the Commission during the preceding calendar year.

SEC. 214. ONLINE SAFETY AND TECHNOLOGY WORKING GROUP.

(a) ESTABLISHMENT.—Within 90 days after the date of enactment of this Act, the Assistant Secretary of Commerce for Communications and Information shall establish an Online Safety and Technology working group comprised of representatives of relevant sectors of the business community, public interest groups, and other appropriate groups and Federal agencies to review and evaluate—

(1) the status of industry efforts to promote online safety through educational efforts, parental control technology, blocking and filtering software, age-appropriate labels for content or other technologies or initiatives designed to promote a safe online environment for children;

(2) the status of industry efforts to promote online safety among providers of electronic communications services and remote computing services by reporting apparent child pornography under section 13032 of title 42, United States Code, including any obstacles to such reporting;

(3) the practices of electronic communications service providers and remote computing service providers related to record retention in connection with crimes against children; and

(4) the development of technologies to help parents shield their children from inappropriate material on the Internet.

(b) REPORT.—Within 1 year after the working group is first convened, it shall submit a report to the Assistant Secretary and the Senate Committee on Commerce, Science, and Transportation that—

(1) describes in detail its findings, including any information related to the effectiveness of such strategies and technologies and any information about the prevalence within industry of educational campaigns, parental control technologies, blocking and filtering software, labeling, or other technologies to assist parents; and

(2) includes recommendations as to what types of incentives could be used or developed to increase the effectiveness and implementation of such strategies and technologies.

(c) FACA NOT TO APPLY TO WORKING GROUP.—The Federal Advisory Committee Act (5 U.S.C. App.) shall not apply to the working group.

SEC. 215. PROMOTING ONLINE SAFETY IN SCHOOLS.

Section 254(h)(5)(B) of the Communications Act of 1934 (47 U.S.C. 254(h)(5)(b)) is amended—

(1) by striking “and” after the semicolon in clause (i);

(2) by striking “minors.” in clause (ii) and inserting “minors; and”; and

(3) by adding at the end the following:

“(iii) as part of its Internet safety policy is educating minors about appropriate online behavior, including interacting with other individuals on social networking websites and in chat rooms and cyberbullying awareness and response.”.

SEC. 216. DEFINITIONS.

In this title:

(1) COMMISSION.—The term “Commission” means the Federal Trade Commission.

(2) INTERNET.—The term “Internet” means collectively the myriad of computer and telecommunications facilities, including equipment and operating software, which comprise the interconnected world-wide network of networks that employ the Transmission Control Protocol/Internet Protocol, or any predecessor successor protocols to such protocol, to communicate information of all kinds by wire or radio.

TITLE II—ENHANCING CHILD PORNOGRAPHY ENFORCEMENT

SEC. 221. CHILD PORNOGRAPHY PREVENTION; FORFEITURES RELATED TO CHILD PORNOGRAPHY VIOLATIONS.

(a) IN GENERAL.—Section 503(b)(1) of the Communications Act of 1934 (47 U.S.C. 503(b)(1)) is amended by striking “or 1464” in subparagraph (D) and inserting “1464, or 2252”.

INDIAN LEASE ACT

Mr. WHITEHOUSE. I ask unanimous consent that the Senate proceed to the immediate consideration of Calendar No. 1041, S. 3192.

The PRESIDING OFFICER. The clerk will report the bill by title.

The legislative clerk read as follows:

A bill (S. 3192) to amend the Act of August 9, 1955, to authorize the Cow Creek Band of Umpqua Tribe of Indians, the Coquille Indian Tribe, and the Confederated Tribes of the Siletz Indians of Oregon to obtain 99-year lease authority for trust land.

There being no objection, the Senate proceeded to consider the bill, which had been reported from the Committee on Indian Affairs with an amendment to strike all after the enacting clause and insert in lieu thereof the following: